



STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY

3100 Port of Benton Blvd • Richland, WA 99352 • (509) 372-7950

December 21, 2007

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EDMC

Ms. Shirley J. Olinger, Manager  
Office of River Protection  
United States Department of Energy  
P.O. Box 450, MSIN: H6-60  
Richland, Washington 99352

Mr. William S. Elkins, Project Director  
Bechtel National, Inc.  
2435 Stevens Center Place, MSIN: H4-02  
Richland, Washington 99354

Re: Submittal of Hanford Facility RCRA Permit Modification Notification Form 0073895  
24590-WTP-PCN-ENV-06-015; Class 1 Modification to the *Hanford Facility Resource Conservation and Recovery Act (RCRA) Permit, Dangerous Waste Portion, for the Treatment, Storage, and Disposal of Dangerous Waste, Part III, Operating Unit 10* (Waste Treatment and Immobilization Plant), WA7890008967

Dear Ms. Olinger and Mr. Elkins:

The Department of Ecology approves the referenced Class 1 Modification submitted September 10, 2007. The approved Hanford Facility RCRA Permit Modification Notification Form is enclosed.

Modification 24590-WTP-PCN-ENV-06-015 provides the updated Engineering Specification for Maintenance Decontamination Equipment (24590-WTP-3PS-HD00-T0001, Revision 3) which replaces the current permit specification in Appendix 7.7.

If there are any questions, contact me at 509-372-7882 or Robbie Biyani at 509-372-7884.

Sincerely,

Brenda Becker-Khaleel  
WTP Permit Writer  
Nuclear Waste Program

jc  
Enclosure

cc: See next page



Ms. Olinger and Mr. Elkins  
December 21, 2007  
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cc electronic w/enc:

Dave Bartus, EPA  
John Eschenberg, USDOE  
Lori Huffman, USDOE  
Tony McKarns, USDOE  
Gae Neath, USDOE  
Don Sommer, USDOE  
William Taylor, USDOE  
Julie Colby, BNI  
Brad Erlandson, BNI  
Peggy Fisher, BNI  
Stan Hill, BNI  
Dennis Klein, BNI  
Sandi Murdock, BNI  
Phil Peistrup, WGI

cc w/enc:

Administrative Record: Tank Waste Treatment Requirements ✓ H-0-8  
Environmental Portal  
Hanford Operating Record General File  
USDOE-ORP Correspondence Control

Quarter Ending September 30,  
2007

24590-WTP-PCN-ENV-06-015

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**Hanford Facility RCRA Permit Modification Notification Form**

**Part III, Operating Unit 10**

**Waste Treatment and Immobilization Plant**

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Page 2 of 3: Hanford Facility RCRA Permit, Part III, Operating Unit 10, Waste Treatment and Immobilization Plant  
Update Engineering Specification for Maintenance Decontamination Equipment (24590-WTP-3PS-HD00-TP001) in Appendix 7.7 of the Dangerous Waste Permit.

Submitted by Co-Operator:

Reviewed by ORP Program Office:

D. A. Klein  
D. A. Klein

8/3/07  
Date

S. J. Olinger  
S. J. Olinger

9/7/07  
Date

Quarter Ending September 30,  
2007

24590-WTP-PCN-ENV-06-015


<b>Hanford Facility RCRA Permit Modification Notification Form</b>										
Unit: <b>Waste Treatment and Immobilization Plant</b>		Permit Part & Chapter: <b>Part III, Operating Unit 10</b>								
<p><u>Description of Modification:</u></p> <p>The purpose of this Class 1 modification is to update Engineering Specification for Maintenance Decontamination Equipment (24590-WTP-3PS-HD00-TP001) in Appendix 7.7 of the Dangerous Waste Permit. The following specification is being submitted to replace the specification currently in Appendix 7.7.</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th colspan="2" style="text-align: left; padding: 2px;">Appendix 7.7</th> </tr> </thead> <tbody> <tr> <td style="width: 15%; padding: 2px;">Replace:</td> <td style="padding: 2px;">24590-WTP-3PS-HD00-TP001, Rev. 0</td> </tr> <tr> <td style="padding: 2px;">With:</td> <td style="padding: 2px;">24590-WTP-3PS-HD00-T0001, Rev. 3</td> </tr> </tbody> </table> <p>This modification requests Ecology approval and incorporation into the permit the specific changes to this specification that are identified by the document history and revision bars that have occurred since the last revision of the permitted version. Revisions are the result of ongoing design. The following identifies the significant changes that have been revised in the attached specification.</p> <ul style="list-style-type: none"> <li>Allow vibro-etching as an alternative to low stress stamping (Section 3.3)</li> <li>Provided additional details on the HSH Crane Decontamination Equipment (Section 3.7)</li> <li>Provided additional details on the decontamination booths and gloveboxes (Section 3.9)</li> <li>Provided additional detail on maximum steam temperature and pressure (Section 3.17)</li> <li>Substitution of classification of fabrication materials for structural mechanical tubing (Section 4.1)</li> <li>Provided additional requirements for components transporting liquid decontamination liquids (Section 4.2)</li> <li>Specified an increase in the maximum decontamination booth and glovebox envelope dimensions (Section 5.1.5)</li> <li>Figure in Appendix A has been updated with additional detail.</li> <li>Added a data sheet to Appendix B</li> </ul> <p>The following is a list of outstanding change documents that have not been incorporated into this modification:</p> <ul style="list-style-type: none"> <li>24590-WTP-3PN-HD00-00007, Rev. NA</li> <li>24590-WTP-3PN-HD00-00008, Rev. NA</li> <li>24590-WTP-SDDR-M-05-00206, Rev. 002</li> <li>24590-WTP-SDDR-M-05-00241, Rev. 002</li> <li>24590-WTP-SDDR-M-05-00246, Rev. 002</li> <li>24590-WTP-SDDR-MH-07-00149, Rev. NA</li> </ul>					Appendix 7.7		Replace:	24590-WTP-3PS-HD00-TP001, Rev. 0	With:	24590-WTP-3PS-HD00-T0001, Rev. 3
Appendix 7.7										
Replace:	24590-WTP-3PS-HD00-TP001, Rev. 0									
With:	24590-WTP-3PS-HD00-T0001, Rev. 3									
WAC 173-303-830 Modification Class: <sup>1 2</sup>		Class 1	Class <sup>1</sup> 1	Class 2	Class 3					
Please mark the Modification Class:		X								

<sup>1</sup> Class 1 modifications requiring prior Agency approval.

<sup>2</sup> If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to a Class '1, if applicable.

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2007

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Enter Relevant WAC 173-303-830, Appendix I Modification citation number: A.1 and A.3	
Enter wording of WAC 173-303-830, Appendix I Modification citation: A.1. Administrative and informational changes A.3. Equipment replacement or upgrading with functionally equivalent components	
Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial) <u>Reason for denial:</u>	Reviewed by Ecology:   12/21/07 B. Becker-Khaleel Date